NCD Boot Service from FNALU

Booting the terminal

• Interrupt the normal boot to get to the boot prompt (>). This can be done by:

> + pressing the Escape key (F11) when the terminal is in the boot cycle.
> + Entering "Setup" mode and turning off the "Boot Automatically" button
>   inside the "Booting" menu, then rebooting
> + pressing ctl-alt-setup simultaneously

• Refresh the NVRAM to clear out the old booting information

> \> NV
> \>> L
> \>> S
> \>> Y
> \>> Q

• Boot the terminal from devnull.fnal.gov

> \> bt < server file> <your IP address> 131.225.68.45 <your gatway> <your subnet mask>
>
> example if in the PPD LAN at the highrise:
>
> > bt Xncd19r 131.225.52.158 131.225.68.45 131.225.55.200 255.255.252.0

The server file corresponds to the model number of your terminal:

NCD19C, NCD17CR, MCX17:	Xncd19c
NCD19	Xncd19
NCD19R	Xncd19r
NCD17C	Xncd17c
NCD19B	Xncd19b
HMX17, HMX20, HMX21	Xncdhmx
Explora Terminals:	Xncdxpl

• Allow the x-terminal to boot up.

• Open the Console window.
    Do this by placing the arrow on the background and pressing a button on the mouse and selecting
    "Show Console".

• Select "Setup" from the NCD User Services Console

• Select "Change Quick Setup" from the "Setup" pull-down window.

      Booting:
           - Change "Local" to TCPIP
           - Boot Host IP address should be 131.225.68.45
           - Select Apply
           - Select "Save to NVRAM" from the File menu

      Network:
           - Terminal IP address at next boot   the x-term's IP address
           - Gateway IP address   131.225.55.200
           - Subnet Mask   255.255.252.0
           - Select Apply
           - Select "Save to NVRAM" from the File menu

      Files:
           - File ServiceProtocol   TFTP
           - File Service Address   131.225.68.45
           - Backup File Service Protocol   TFTP
           - Backup File Service Address   131.225.68.46
           - Select Apply
           - Select "Save to NVRAM" from the File menu

Select "Change Setup Parameters"

      Booting:

           - TCP/IP Desired Server: 131.225.68.45

      IP:
           - Unselect Use Address Discovery choice
           - Unselect Use Router Discovery
           - Select Apply
           - Select "Save to NVRAM" from the File menu

Troubleshooting:

If you've hit the F11 key several times during bootup, you may need to unplug the keyboard to clear that key.

The server files that correspond to the model of your terminal are case sensitive.

If you want a local configuration saved, send the IP address of the x-terminal to the helpdesk. They will forward your request to the administrator of fnalu. He must enter it for you since users can't write to that area on fnalu.